Table 1 - New CLS ASTER L4 B1 Requirements

L4	Key	Rel	req-status	Req_type	v_method	v_status	Text	clarification
S-CLS-19106	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall have the capability to receive product status information from ASTER GDS.	
S-CLS-19108	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall have the capability to submit DAR queries, receive query responses from the ASTER GDS database using calls contained in the ASTER-GDS IMS API, and display the results to the user.	
S-CLS-19118	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall have the capability to receive DAR IDs from ASTER GDS on receipt of a valid DAR submission and attach the DAR ID to locally stored versions of the DAR configuration parameters.	
S-CLS-19119	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall provide the capability for users to interactively enter, edit, and delete lat/long coordinates in an Area of Interest (AOI) polygon via a GUI spatial tool and/or keyboard entries onto a forms-based screen.	
S-CLS-19126	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall automatically update the information in spatial, temporal, and forms-based GUI displays, when the user changes the existing dependent information (parameters); Reference Document: DAR Submit Tool GUI Dependencies and Interactions.	
S-CLS-19127	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall allow an ECS user to display the results of DAR queries on spatial, temporal, and textual-based GUI displays.	
S-CLS-19130	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall provide user prompting and automatically supplied help messages that interact with ECS users.	
S-CLS-19135	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall provide references to sources of climatology information, including: cloud climatology probabilities, seasonal snow and ice cover, and major ecosystem regions.	
S-CLS-19136	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall have the capability to add or subtract overlays or backgrounds to or from the map region on a geographic display.	
S-CLS-19137	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART spatial display shall provide the capability to display a physiographic map providing terrain and surface-cover features globally as geographic overlays, in a variety of projections: 1. Geographical Projection (Plate Carree) 2. Universal Transverse Mercator 3. Polar Stereographic 4. Lambert Conformal Conic 5. Space Oblique Mercator	

L4	Key	Rel	req-status	Req_type	v_method	v_status	Text	clarification
S-CLS-19139	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART spatial display shall provide the capability to display: a) ground tracks b) areas of interest with xAR ID c) terminator crossings d) equator and other major latitude crossings e) instrument constraints (applicable to map), including: 1) field of view 2) look angles 3) possible view swaths f) display of successfully observed scenes with cloud cover by quadrant (in association with the Area of Interest (AOI) polygon).	
S-CLS-19140	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall establish a maximum waiting period (in addition to that specified by the API) within which an acknowledgment is expected.	
S-CLS-19141	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall retransmit a user DAR request after the waiting period expires, for a configurable number of times.	
S-CLS-19142	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall provide messages to users of the current state of each user request (DAR submit, modify, or query), while waiting for results to be returned from ASTER-GDS.	
S-CLS-19143	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall accept user requests to modify existing DARs from the science user in the following ways: a) suspend an active DAR that has been submitted b) change the percent Cloud Cover in the increments specified by the DART c) reactivate the suspended DAR.	
S-CLS-19145	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall provide visualizations of possible ASTER instrument view swaths based on user supplied angles as a reference aid to the creation of ASTER DARs.	
S-CLS-19153	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART spatial capability shall have the capability to display lat/long of any point on a geographical display selected by the user's pointing device.	
S-CLS-19154	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall be able to calculate the size (in square km) of any user-specified polygonal area on a geographical display.	
S-CLS-19155	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART help system shall provide ASTER-specific default settings for the three ASTER telescopes.	
S-CLS-19156	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART help system shall provide ASTER-specific help messages that instruct authorized users how to change the instrument parameter settings for the three ASTER telescopes in their DARs.	
S-CLS-19166	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall have the capability to provide a meaningful error message to users based on the receipt of an error code from the ASTER GDS.	

L4	Key	Rel	req-status	Req_type	v_method	v_status	Text	clarification
S-CLS-19174	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall have the capability to copy DAR configuration parameters from local storage or from a query of the ASTER GDS xAR database and incorporate all parameters into a new set of DAR configuration parameters.	
S-CLS-19176	new	B1	incremental	functional	demo	unverified	The WKBCH CI DART shall have the capability to save, delete, move, and copy: 1) DAR query input 2) DAR query results.	

Table 2. CLS L4 Deletions.

L4	Key	Rel	req-type	req-status	v_method	v_status	clarification	Text
~~S-CLS-13840~~	~~13539~~	~~B1~~	~~functional~~	~~incremental~~	~~test~~	~~unverified~~		~~The WKBCH CI shall display data acquisition schedules as timelines.~~
~~S-CLS-14460~~	~~8296~~	~~B1~~	~~functional~~	~~incremental~~	~~test~~	~~unverified~~		~~The WKBCH CI shall make spacecraft schedules accessible to authorized users on request.~~
~~S-CLS-14470~~	~~8297~~	~~B1~~	~~functional~~	~~incremental~~	~~demo~~	~~unverified~~		~~The WKBCH CI shall display spacecraft schedules as timelines.~~

Table 3 - RbR to L4 Linkage Additions

RbR_id	L4_id
ASTER-0120#B	S-CLS-19106
ASTER-0120#B	S-CLS-19108
ASTER-0120#B	S-CLS-19118
ASTER-0120#B	S-CLS-19127
ASTER-0120#B	S-CLS-19140
ASTER-0120#B	S-CLS-19141
ASTER-0120#B	S-CLS-19142
ASTER-0120#B	S-CLS-19145
ASTER-0120#B	S-CLS-19166
ASTER-0130#B	S-CLS-19108
ASTER-0140#B	S-CLS-19126
ASTER-0140#B	S-CLS-19143
IMS-0120#B	S-CLS-19174
IMS-0120#B	S-CLS-19176
IMS-0160#B	S-CLS-19130
IMS-0510#B	S-CLS-19135
IMS-0510#B	S-CLS-19139
IMS-0580#B	S-CLS-19119
IMS-0580#B	S-CLS-19126
IMS-0580#B	S-CLS-19136
IMS-0580#B	S-CLS-19137
IMS-0580#B	S-CLS-19139
IMS-0580#B	S-CLS-19153
IMS-1090#B	S-CLS-19143
IMS-1105#B	S-CLS-19135
IMS-1140#B	S-CLS-19119
IMS-1140#B	S-CLS-19126
IMS-1140#B	S-CLS-19145
IMS-1140#B	S-CLS-19153
IMS-1140#B	S-CLS-19154
IMS-1170#B	S-CLS-19155
IMS-1170#B	S-CLS-19156
IMS-1230#B	S-CLS-19106
IMS-1230#B	S-CLS-19108

RbR_id	L4_id
IMS-1230#B	S-CLS-19118
IMS-1230#B	S-CLS-19127
IMS-1230#B	S-CLS-19140
IMS-1230#B	S-CLS-19141
IMS-1230#B	S-CLS-19142
IMS-1230#B	S-CLS-19166
IMS-1261#B	S-CLS-19140
IMS-1261#B	S-CLS-19141
IMS-1261#B	S-CLS-19142
IMS-1262#B	S-CLS-19108